

IN THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

1–10 (Canceled)

11. (Previously Presented) A fire protection device for domestic appliances, comprising:
at least one fault current circuit breaker coupled to the input electrical supply of at least one conductor of a domestic appliance, which fault current circuit breaker disconnects said electrical supply from said appliance when said fault current circuit breaker senses a fault current in said at least one conductor; and
at least one gas sensor coupled to sense the quantity of at least one control gas in said appliance, which gas sensor also causes said electrical supply to be disconnected from said appliance when said gas sensor senses a predetermined quantity of said at least one control gas.
12. (Previously Presented) The fire protection device according to claim 11, including said appliance including a plurality of conductors, said fault current circuit breaker coupled to each of said conductors and a fault current detected in one of said conductors, causes said fault current circuit breaker to disconnect said electrical supply from said appliance by an all-pole disconnection and said gas sensor also disconnects said electrical supply from said appliance by an all-pole disconnection.

13. (Previously Presented) The fire protection device according to claim 11, including said fault current circuit breaker integrated into a mains plug of said electrical supply of said appliance.
14. (Previously Presented) The fire protection device according to claim 13, including a main switch for supplying individual components of said domestic appliance is coupled to said mains plug for supplying low voltage to said components.
15. (Previously Presented) The fire protection device according to claim 14, including said gas sensor is connected to said fault current circuit breaker.
16. (Previously Presented) The fire protection device according to claim 14, including said gas sensor is connected to a protective conductor and said fault current circuit breaker is triggered at a predetermined concentration of said control gas.
17. (Previously Presented) The fire protection device according to claim 14, including said main switch is connected to a protective conductor.
18. (Previously Presented) The fire protection device according to claim 11, including said fault current circuit breaker acts as a main switch for said domestic appliance.
19. (Previously Presented) The fire protection device according to claim 11, including said gas sensor is located in a door of said domestic appliance.

20. (Previously Presented) The fire protection device according to claim 11, including said gas sensor is located in a floor region of said domestic appliance.
21. (New) A fire protection device for domestic appliances, comprising:
at least one fault current circuit breaker coupled to the input electrical supply of at least one conductor of a domestic appliance, which fault current circuit breaker disconnects said electrical supply from said appliance when said fault current circuit breaker senses a fault current in said at least one conductor, said fault current circuit breaker including a relay connected to the at least one conductor, the relay having a reset channel and a cumulative current transformer operable to constantly measure the sum of all currents and operable to send a signal to the reset channel of the relay in the event of the detection of a predetermined deviation from a predetermined current sum, which predetermined deviation is indicative of a fault current, and said relay being operable to disconnect said electrical supply from said appliance upon receipt of said signal; and
at least one gas sensor coupled to sense the quantity of at least one control gas in said appliance, which gas sensor also causes said electrical supply to be disconnected from said appliance when said gas sensor senses a predetermined quantity of said at least one control gas.
22. (New) The fire protection device according to claim 21, wherein said one gas sensor is operable to detect a non-carbonaceous byproduct of combustion.
23. (New) The fire protection device according to claim 22, wherein said one gas sensor is operable to detect a non-carbonaceous byproduct of

combustion of at least one of polyethylene (PE), polypropylene (PP), polyamide (PA), polyvinyl chloride (PVC) or polystyrol (PS).

24. (New) The fire protection device according to claim 23, wherein said one gas sensor is operable to detect chlorine (Cl) as a non-carbonaceous byproduct of combustion.
25. (New) A fire protection device for domestic appliances, comprising:
at least one fault current circuit breaker coupled to the input electrical supply of at least one conductor of a domestic appliance, which fault current circuit breaker disconnects said electrical supply from said appliance when said fault current circuit breaker senses a fault current in said at least one conductor; and
at least one gas sensor coupled to sense the quantity of at least one control gas that is a non-carbonaceous byproduct of combustion in said appliance, which gas sensor also causes said electrical supply to be disconnected from said appliance when said gas sensor senses a predetermined quantity of said at least one control gas.
26. (New) The fire protection device according to claim 25, wherein said fault current circuit breaker includes a relay connected to the at least one conductor, the relay having a reset channel and a cumulative current transformer operable to constantly measure the sum of all currents and operable to send a signal to the reset channel of the relay in the event of the detection of a predetermined deviation from a predetermined current sum, which predetermined deviation is indicative of a fault current, and said relay being operable to disconnect said electrical supply from said appliance upon receipt of said signal.

27. (New) The fire protection device according to claim 25, wherein said one gas sensor is operable to detect a non-carbonaceous byproduct of combustion of at least one of polyethylene (PE), polypropylene (PP), polyamide (PA), polyvinyl chloride (PVC) or polystyrol (PS).
28. (New) The fire protection device according to claim 25, wherein said one gas sensor is operable to detect chlorine (Cl) as a non-carbonaceous byproduct of combustion.